Interactive Flood Stage Manual

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CASS COUNTY
GOVERNMENT

PROWEST
& ASSOCIATES
GIS CONSULTING | DATA SERVICES | APPLICATIONS

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Interactive Flood Risk Reduction Map Interface

This application provides information on Red & Sheyenne river flood stage levels that may affect properties and structures in Cass County, ND. The application can be accessed using this URL:

http://gisweb.casscountynd.gov/floodstages/

This application is intended to provide information for residents of Cass County outside of city limits; please contact the individual cities for further information on flood risk.

The 1/2 foot river flood stages were derived from LiDAR data acquired in May 2014.
- Areas of river flooding are shown in blue
- Areas protected by levees are shown in gold\orange

Some of the features of the site include:
- Search by property address
- Viewing of 1/2 river flood stages & Critical Flood Elevation information
- Fast toggling from map view to aerial view
- Contour information

The site is mobile responsive and will adjust to fit your device.
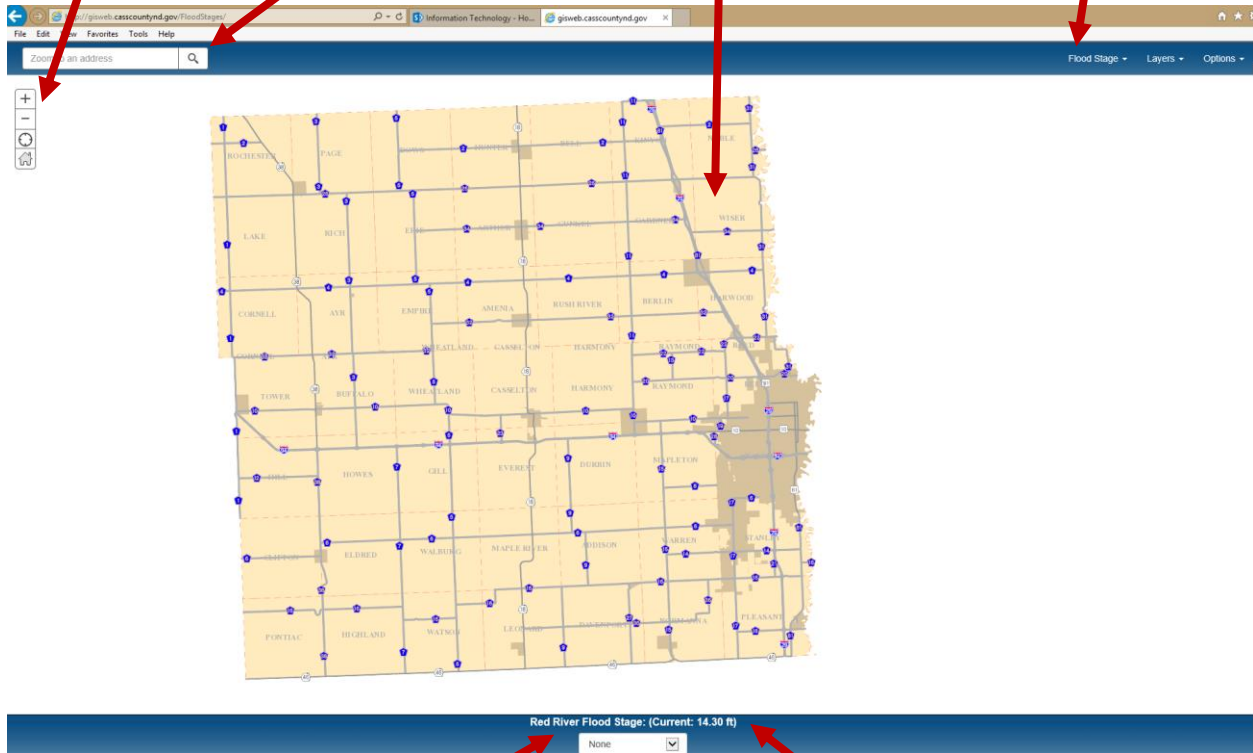
Interface

Zoom Tools   **Search Menu**   **Display Area**   **Main Tool Bar**

Flood Stage Menu   **Current River Flood**

Map Navigation

To zoom in use this or the scroll wheel on your mouse

To zoom out use this or the scroll wheel on your mouse

To Pan, click and hold the left mouse button.

To return to the full map extent use the home button

Address Search

Zoom to an address 🔍

To search for an address in Cass County start entering the house address number and road name, then select the correct address from the list of possible matches and the map will zoom to the property.
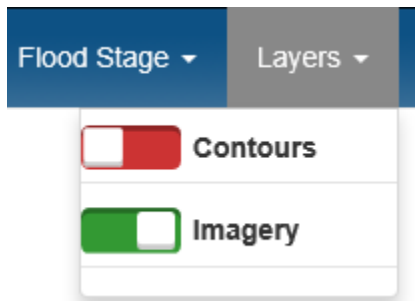
The selected parcel will be highlighted in a red dashed line with a pop-up showing the parcel & building elevations (if available).
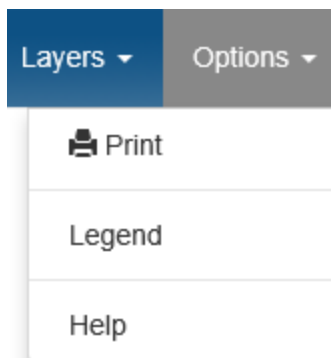
Tools

In all of the tools described below green indicates a layer is visible (on) and red is off.
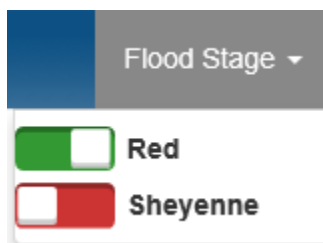
To view the flood stages use the Flood Stage menu to toggle between the Red and Sheyenne river

To view the Contours or imagery use the Layers menu

To print, view the legend or access the help file use the Options menu

Flood Stages

Click on the flood stage menu to display the flood stage level. Depending on your device this will be either be a popup menu or a scroll menu.

Property Information

Click on a parcel or perform an *address search* to highlight a parcel. The selected parcel will be highlighted in a red dashed line with the pop-up window dispalying the parcel and building estimated critical elevation (if available). If your property and/or structure are not affected by a 25 to 44 foot flood stage, data will not be available (N/A). For information on properties within city limits, please contact the individual cities for further information on flood risk.
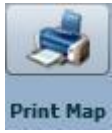
Contours
Click the contours toggle button to display the 1ft elevation contours for the metro area. The contour and line elevation (feet) will be displayed as shown below.
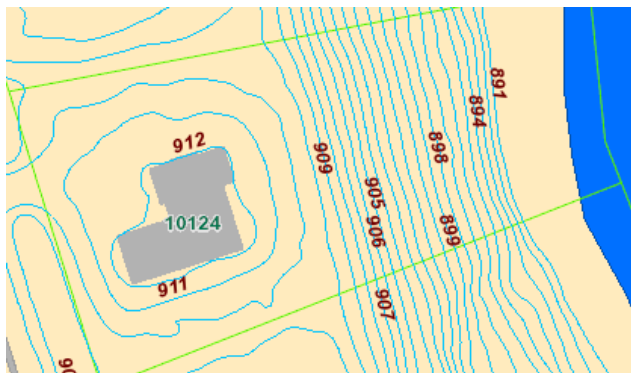
To remove the contours click the toggle button again.

OPTIONS
Print

The **Interactive Flood Stage Map** contains a map template that makes it easy to create and print maps of the display area. The template includes common map elements (title, date, neat-line, critical elevations, disclaimer etc.)

Click the **Print** option to print a map**.**

To **Create Map:**

* ❖ *Zoom In/Zoom Out* on the desired map or **Pan** to get the features to appear on the map, as you want them.
* ❖ Click the **Print Map** *button*; a **Title** dialog box will open.
* ❖ Type in a map title for your map, enter **Print.**
* ❖ *While the map is being created the* **Print** *will change to* **Printing**. When the map is ready it will appear in the browser window.
* ❖ Click **File** then **Print** to print the map.
* ❖ Select printer.
    * o Each printer has a different set up. The map template is set to 8.5 x 11 inches.
    * o You can save a copy of the map for printing or emailing later by *clicking* on **File** then **Save As**.
* ❖ Browse to the directory location you want to save the .pdf file. You may rename the file.
* ❖ Click **File** then **Exit** to exit the map.

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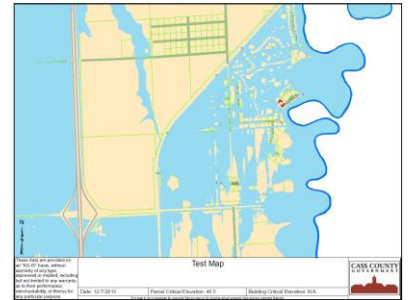
Legend

The legend shows what each layer of the map represents. Blue represents areas where river flooding will occur at the selected estimated river stage. Orange represents areas that will be protected by levees.

Legend

- Area Protected by Levee
- River Flooding
- Buildings
- Parcels
- Contours
- Rivers
- Roads
- City Limits

Help

The help document is in Adobe Acrobat format and may be printed or saved for future reference.

Disclaimer

This *Disclaimer* will appear when you first open the *Interactive Flood Stage Map*. You will have the option to check *'Do not show again'*. A *Disclaimer* will be displayed on all *Printed Maps.*

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